

# HEALTH SCIENCES (HEAL)

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## HEAL 103 - NUTRITION

**Short Title:** NUTRITION

**Department:** Kinesiology

**Grade Mode:** Standard Letter

**Course Type:** Lecture

**Credit Hours:** 3

**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Lower-Level

**Description:** Concepts underlying the science of nutrition: food composition, calories and needs for energy, special nutrients, and nutritional deficiencies.

## HEAL 119 - INTRODUCTION TO HEALTH AND WELLNESS

**Short Title:** INTRO TO HEALTH & WELLNESS

**Department:** Kinesiology

**Grade Mode:** Standard Letter

**Course Type:** Lecture

**Credit Hours:** 3

**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Lower-Level

**Description:** Designed to help students develop a greater understanding and appreciation of health and well being, as it relates to themselves and others around them, and for students to apply health and wellness knowledge in their personal life to improve their health.

## HEAL 132 - MEDICAL TERMINOLOGY

**Short Title:** MEDICAL TERMINOLOGY

**Department:** Kinesiology

**Grade Mode:** Standard Letter

**Course Type:** Lecture

**Credit Hours:** 3

**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Lower-Level

**Description:** This course introduces the student interested in medical and health professions to a large vocabulary of medical language which develops skills in understanding and remembering new words. It describes word origins, basic terms in anatomy and terms pertaining to each body system as well as pharmacology and medical equipment, and many frequently used medical terms, abbreviations and symbols.

## HEAL 208 - CHEMICAL ALTERATIONS OF BEHAVIOR

**Short Title:** CHEM ALTERATIONS OF BEHAVIOR

**Department:** Kinesiology

**Grade Mode:** Standard Letter

**Course Type:** Lecture

**Credit Hours:** 3

**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Lower-Level

**Description:** Examination of social, cultural psychological, physiological causes and effects of drug use and abuse. Individual, family, and community factors related to prevention and treatment will be addressed.

## HEAL 212 - CONSUMER HEALTH AND THE MEDIA

**Short Title:** CONSUMER HEALTH AND THE MEDIA

**Department:** Kinesiology

**Grade Mode:** Standard Letter

**Course Type:** Lecture

**Credit Hours:** 3

**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Lower-Level

**Description:** Study of factual information and guidelines that enable consumers to act intelligently in selecting health products and services, with emphasis on the economic aspects of health.

## HEAL 222 - PRINCIPLES OF PUBLIC AND COMMUNITY HEALTH

**Short Title:** PRIN PUBLIC&COMMHEALTH

**Department:** Kinesiology

**Grade Mode:** Standard Letter

**Course Type:** Lecture

**Credit Hours:** 3

**Restrictions:** Enrollment limited to students with a class of Freshman or Sophomore. Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Lower-Level

**Description:** Principles of Public & Community Health examines aspects of the community that relate to health including health issues within community subgroups; identification and analysis of community health programs; organizational patterns and functions of voluntary and governmental health agencies and coordination of community health programs.

## HEAL 238 - SPECIAL TOPICS

**Short Title:** SPECIAL TOPICS

**Department:** Kinesiology

**Grade Mode:** Standard Letter

**Course Type:** Activity Course, Intensive Learning Experience, Independent Study, Internship/Practicum, Laboratory, Lecture, Lecture/Laboratory, Research, Seminar, Studio

**Credit Hours:** 1-4

**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Lower-Level

**Description:** Topics and credit hours vary each semester. Contact department for current semester's topic(s). Repeatable for Credit.

## HEAL 279 - HEALTH SCIENCES INTERNSHIP

**Short Title:** HEAL INTERNSHIP

**Department:** Kinesiology

**Grade Mode:** Satisfactory/Unsatisfactory

**Course Type:** Internship/Practicum

**Credit Hours:** 1-3

**Restrictions:** Enrollment limited to students with a class of Freshman or Sophomore. Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Lower-Level

**Description:** Internship experience in Health Sciences for freshman and sophomore students Instructor Permission Required.

**HEAL 306 - HUMAN SEXUALITY**

**Short Title:** HUMAN SEXUALITY

**Department:** Kinesiology

**Grade Mode:** Standard Letter

**Course Type:** Lecture

**Credit Hours:** 3

**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Upper-Level

**Description:** Designed to explore the physiological, psychological, and sociological parameters of human sexuality, while providing accurate information and helping students develop healthy attitudes toward sexuality. Cross-list: SWGS 306.

**HEAL 313 - FOUNDATIONS OF HEALTH PROMOTION AND EDUCATION**

**Short Title:** FOUNDATIONS HEALTH PROMO&EDUC

**Department:** Kinesiology

**Grade Mode:** Standard Letter

**Course Type:** Seminar

**Credit Hours:** 3

**Restrictions:** Enrollment is limited to students with a major in Health Sciences. Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Upper-Level

**Prerequisite(s):** HEAL 222

**Description:** Foundations of Health Promotion/Health Education is designed to introduce students to the discipline of health education and the practice of health promotion. The course explores critical issues in the field of health promotion, accountability and professional preparation, professional ethics, credentialing and the changing technology in the field. Intended for Health Sciences majors only.

**HEAL 350 - UNDERSTANDING CANCER**

**Short Title:** UNDERSTANDING CANCER

**Department:** Kinesiology

**Grade Mode:** Standard Letter

**Course Type:** Lecture

**Credit Hours:** 3

**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Upper-Level

**Description:** Examination of cancer from a biological, psychological and sociological perspective with emphasis on cancer epidemiology, prevention, and early detection.

**HEAL 360 - VIOLENCE IN AMERICA: A PUBLIC HEALTH PERSPECTIVE**

**Short Title:** VIOLENCE IN AMERICA

**Department:** Kinesiology

**Grade Mode:** Standard Letter

**Course Type:** Seminar

**Credit Hours:** 3

**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Upper-Level

**Description:** This course presents an overview of issues concerning violence using a public health perspective. Information will be presented and discussed concerning several domains pertinent to violence, including family violence, intimate partner violence, community violence, and workplace harassment.

**HEAL 375 - THE BUILT ENVIRONMENT AND PUBLIC HEALTH**

**Short Title:** ENVIRONMENT AND PUBLIC HEALTH

**Department:** Kinesiology

**Grade Mode:** Standard Letter

**Course Type:** Seminar

**Credit Hours:** 3

**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Upper-Level

**Description:**

This interdisciplinary course reviews topics involved in characterizing the built environment. It encompasses economic, environmental, & social factors such as (a) community design, (b) space governance, planning & management (c) broader functions such as accessibility.

**HEAL 379 - INTERNSHIP IN HEALTH SCIENCES**

**Short Title:** INTERNSHIP IN HEALTH SCIENCES

**Department:** Kinesiology

**Grade Mode:** Standard Letter

**Course Type:** Internship/Practicum

**Credit Hours:** 1-3

**Restrictions:** Enrollment limited to students with a class of Junior or Senior. Enrollment is limited to students with a major in Health Sciences. Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Upper-Level

**Description:** Internship experience for upper-level Health Sciences majors. Department Permission Required. Repeatable for Credit.

**HEAL 380 - DISPARITIES IN HEALTH IN AMERICA**

**Short Title:** DISPARITIES IN HEALTH IN AMER

**Department:** Kinesiology

**Grade Mode:** Standard Letter

**Course Type:** Lecture

**Credit Hours:** 3

**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Upper-Level

**Description:** This course explores social, behavioral, and medical determinants (e.g., race and ethnicity, socioeconomic status, and sexual orientation) that influence health and health disparities within populations, as well as strategies to reduce and eliminate those disparities. The course incorporates perspectives from various disciplines, including public health, psychology, and medicine. Graduate/Undergraduate Equivalency: HEAL 580. Mutually Exclusive: Cannot register for HEAL 380 if student has credit for HEAL 580.

**HEAL 403 - PUBLIC HEALTH NUTRITION**

**Short Title:** PUBLIC HEALTH NUTRITION

**Department:** Kinesiology

**Grade Mode:** Standard Letter

**Course Type:** Lecture

**Credit Hours:** 3

**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Upper-Level

**Prerequisite(s):** HEAL 103

**Description:** This course explores the intersection of nutrition and public health, including the role of nutrition in promoting public and community health and vice versa. The course incorporates a socioecological framework to understand multiple levels of influence on dietary intake, food choices, and nutrition-related public health problems. Topics include dietary assessment, food insecurity, nutrition disparities, and nutrition policy. Recommended Prerequisite(s): HEAL 222

**HEAL 407 - EPIDEMIOLOGY****Short Title:** EPIDEMIOLOGY**Department:** Kinesiology**Grade Mode:** Standard Letter**Course Type:** Lecture**Credit Hours:** 3**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Upper-Level**Description:** Study of communicable, noncommunicable, and behavioral diseases with emphasis on the disease process and basic epidemiologic methods. Graduate/Undergraduate Equivalency: HEAL 507. Mutually Exclusive: Cannot register for HEAL 407 if student has credit for HEAL 507.**HEAL 412 - HEALTH CARE DELIVERY & POLICY IN THE UNITED STATES****Short Title:** HEALTH CARE DELIVERY & POLICY**Department:** Kinesiology**Grade Mode:** Standard Letter**Course Type:** Lecture**Credit Hours:** 3**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Upper-Level**Description:** An in-depth look our current health delivery system intended to introduce student to the historic development, organization and characteristics of the health care delivery system; current payment and reimbursement systems; health insurance options; the functions of health care providers; and organizational patterns of health care facilities. Recommended Prerequisite(s): HEAL 222**HEAL 422 - THEORIES AND MODELS OF HEALTH BEHAVIOR****Short Title:** THEORY&MODELS HLTH BEHAVIOR**Department:** Kinesiology**Grade Mode:** Standard Letter**Course Type:** Seminar**Credit Hours:** 3**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Upper-Level**Prerequisite(s):** HEAL 222**Description:** Theories & Models of Health Behavior is designed for the student interested in public and community health or health psychology. This course examines the current theories and models of health behavior and their application to the field of health promotion/health education. Graduate/Undergraduate Equivalency: HEAL 522. Mutually Exclusive: Cannot register for HEAL 422 if student has credit for HEAL 522.**HEAL 460 - PLANNING AND EVALUATION OF HEALTH PROMOTION AND EDUCATION****Short Title:** PLAN/EVAL: HEALTH PROGRAMS**Department:** Kinesiology**Grade Mode:** Standard Letter**Course Type:** Lecture**Credit Hours:** 3**Restrictions:** Enrollment limited to students with a class of Junior or Senior. Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Upper-Level**Prerequisite(s):** HEAL 222**Description:** Planning & Evaluation of Health Promotion provides the student with the technical skills for planning and evaluation of health promotion, health education, and disease prevention programs including collection and analysis of both qualitative and quantitative data. Graduate/Undergraduate Equivalency: HEAL 560. Mutually Exclusive: Cannot register for HEAL 460 if student has credit for HEAL 560.**HEAL 477 - SPECIAL TOPICS****Short Title:** SPECIAL TOPICS**Department:** Kinesiology**Grade Mode:** Standard Letter**Course Type:** Internship/Practicum, Seminar, Lecture, Laboratory**Credit Hours:** 1-4**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Upper-Level**Description:** Topics and credit hours vary each semester. Contact department for current semester's topic(s). Repeatable for Credit.**HEAL 495 - INDEPENDENT RESEARCH IN HEALTH SCIENCES****Short Title:** INDEPENDENT RESEARCH**Department:** Kinesiology**Grade Mode:** Standard Letter**Course Type:** Research**Credit Hours:** 1-3**Restrictions:** Enrollment limited to students with a class of Junior or Senior. Enrollment is limited to students with a major in Health Sciences. Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Upper-Level**Prerequisite(s):** KINE 319 and KINE 440**Description:** To provide the student with an opportunity to participate in a research project under the supervision of a Rice Kinesiology faculty member and/or an external researcher. Department Permission Required. Repeatable for Credit.**Course URL:** [kinesiology.rice.edu](http://kinesiology.rice.edu) (<http://kinesiology.rice.edu>)**HEAL 498 - SPECIAL TOPICS IN HEALTH SCIENCES****Short Title:** SPECIAL TOPICS**Department:** Kinesiology**Grade Mode:** Standard Letter**Course Type:** Lecture**Credit Hours:** 3**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Upper-Level**Description:** Topics and credit hours vary each semester. Contact department for current semester's topic(s). Repeatable for credit. Repeatable for Credit.

**HEAL 499 - TEACHING PRACTICUM IN HEALTH SCIENCES**

**Short Title:** TEACH PRACTICUM HEALTH SCIENCE

**Department:** Kinesiology

**Grade Mode:** Standard Letter

**Course Type:** Internship/Practicum

**Credit Hours:** 1-3

**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Upper-Level

**Description:** Students will assist in conducting a course in which they have previously excelled. The student will learn techniques in course management, instruction, and evaluation. Department Permission Required. Recommended prerequisite(s): Junior or Senior standing, declared major in Health Sciences, and at least an "A-" in the course serving as the practicum. Repeatable for Credit.

**HEAL 507 - EPIDEMIOLOGY**

**Short Title:** EPIDEMIOLOGY

**Department:** Kinesiology

**Grade Mode:** Standard Letter

**Course Type:** Lecture

**Credit Hours:** 3

**Restrictions:** Enrollment is limited to Graduate level students.

**Course Level:** Graduate

**Description:** Study of communicable, noncommunicable, and behavioral diseases with emphasis on the disease process and basic epidemiologic methods. Graduate level students only. Instructor Permission Required. Graduate/Undergraduate Equivalency: HEAL 407. Mutually Exclusive: Cannot register for HEAL 507 if student has credit for HEAL 407.

**HEAL 522 - THEORIES AND MODELS OF HEALTH BEHAVIOR**

**Short Title:** THEORY&MODELS HLTH BEHAVIOR

**Department:** Kinesiology

**Grade Mode:** Standard Letter

**Course Type:** Seminar

**Credit Hours:** 3

**Restrictions:** Enrollment is limited to Graduate level students.

**Course Level:** Graduate

**Description:** Theories & Models of Health Behavior is designed for the student interested in public and community health or health psychology. This course examines the current theories and models of health behavior and their application to the field of health promotion/health education. Graduate level students only. Instructor Permission Required. Graduate/Undergraduate Equivalency: HEAL 422. Mutually Exclusive: Cannot register for HEAL 522 if student has credit for HEAL 422.

**HEAL 560 - PLANNING AND EVALUATION OF HEALTH PROMOTION AND EDUCATION**

**Short Title:** PLAN/EVAL: HEALTH PROGRAMS

**Department:** Kinesiology

**Grade Mode:** Standard Letter

**Course Type:** Lecture

**Credit Hours:** 3

**Restrictions:** Enrollment is limited to Graduate level students.

**Course Level:** Graduate

**Description:** Planning & Evaluation of Health Promotion provides the student with the technical skills for planning and evaluation of health promotion, health education, and disease prevention programs including collection and analysis of both qualitative and quantitative data. Graduate level students only. Instructor Permission Required. Graduate/Undergraduate Equivalency: HEAL 460. Mutually Exclusive: Cannot register for HEAL 560 if student has credit for HEAL 460.

**HEAL 580 - DISPARITIES IN HEALTH IN AMERICA**

**Short Title:** DISPARITIES IN HEALTH IN AMER

**Department:** Kinesiology

**Grade Mode:** Standard Letter

**Course Type:** Lecture

**Credit Hours:** 3

**Restrictions:** Enrollment is limited to Graduate level students.

**Course Level:** Graduate

**Description:** This course explores social, behavioral, and medical determinants (e.g., race and ethnicity, socioeconomic status, and sexual orientation) that influence health and health disparities within populations, as well as strategies to reduce and eliminate those disparities. The course incorporates perspectives from various disciplines, including public health, psychology, and medicine. Graduate level students only. Instructor Permission Required. Graduate/Undergraduate Equivalency: HEAL 380. Mutually Exclusive: Cannot register for HEAL 580 if student has credit for HEAL 380.

**HEAL 677 - SPECIAL TOPICS**

**Short Title:** SPECIAL TOPICS

**Department:** Kinesiology

**Grade Mode:** Standard Letter

**Course Type:** Internship/Practicum, Laboratory, Lecture, Seminar, Independent Study

**Credit Hours:** 1-4

**Restrictions:** Enrollment is limited to Graduate or Visiting Graduate level students.

**Course Level:** Graduate

**Description:** Topics and credit hours vary each semester. Contact department for current semester's topic(s). Repeatable for Credit.